

Daily Modelling Notes

User: __John Doe__

Date: __08-13-2015__

Initials: __JD __ (Physically Signed Initials) __

Model Run (version): WASP7

Model input file(s): Folder Tree/20150813_Data#1_JDoe & 20150813_Data#2_JDoe

Model output file(s): 20150813_Pb-v-pH-run#1_JDoe & 20150813_Pb-v-pH_run#2_JDoe

Data Input sources:

Ex. Lead concentrations: Sampling on date by whomever. Historically USGS data (source and date)
Water and Stream Flow: USGS data (source and date)
Additional Water and Stream data: Sampled on these dates done by whomever
pH information: USGS data (historic if available). Sampled on this date done by whomever.
Soil samples: USDA data (source) and USGS (source and date)
Atmospheric deposition data: NOAA (source and date)
Etc.

What was investigated?:

Ex: Varied initial lead concentration and initial pH to investigate the effect of lead concentration in downstream plume.

Summary: (For example any interesting results?)

Ex: As initial lead loadings were increased there was a corresponding increase lead concentration downstream. However, a greater decrease in lead concentration was observed with an increase in pH. Expect either a flocculation or precipitation of lead to the decrease in lead concentration downstream

Other Notes:

Ex: Need to investigate different flow patterns and the effect of lead concentration downstream.
Need to investigate flocculation process. Also need more lead in soil data to determine if that is the major source of lead uptake in river. Meetings held or attended, with who and results.
Correspondence notes with others on this research.